

# CE 350 UNIX SCRIPTS AND UTILITIES

## 1<sup>st</sup> Lecture: Getting Started

### PART A. Course Overview:

**1. Objective of this course:** This is an undergraduate course in Computer Science on UNIX operating system. Although the course provides a broad view of the operating system, it mostly focuses on Bash programming and system administration. Students will get a hands-on approach on using and programming the operating system commands and scripts and will become very familiar with the UNIX environment. This course requires an understanding of modern operating systems and a working knowledge of programming basics. Students will be asked to work on a substantial programming project and will need to develop good technical writing skills and programming skills.

**2. Textbook and reference tutorials/manuals:**

1. UNIX Shells by Example, Fourth Edition, Ellie Quigley, ISBN: 013147572X
2. An alternative edition of “UNIX Shells by Example” is partially available at “Google Books”.
3. Additional online reference: <http://tldp.org/LDP/abs/html>
4. Additional online reference: <http://tldp.org/LDP/sag/html/index.html>
5. Online “Bash” scripting tutorials.

**3. What is this course about?**

1. A little about the use of UNIX/Linux operating system.
2. More about the use of UNIX/Linux Shells.
3. Details about the Bash Shell.
4. Dissection in programming the Bash shell.
5. Furthermore, an introduction to the Linux system administration.

**4. Course syllabus:**

[http://ects.ieu.edu.tr/syllabus.php?section=ce.cs.ieu.edu.tr&course\\_code=CE%20350&cer=0&sem=0](http://ects.ieu.edu.tr/syllabus.php?section=ce.cs.ieu.edu.tr&course_code=CE%20350&cer=0&sem=0)

### PART B. Course Requirements:

1. A Linux distro.
2. No previous knowledge of scripting.
3. Previous knowledge of programming.
4. **To be interested in programming the Shell since the way to learn scripting is to write scripts.**